



# Digital 1-Port Tap

## Product Specifications

### Description

Multicom's Digital 1-Port Tap splits overly strong signals for use in a single device.

This tap is typically used in schools, business, and anywhere else where multiple receivers are fed from the same signal source.

Multicom offers indoor and outdoor taps/ directional couplers in a range of tap values.



### Features

- Digital-Ready Broadband 5~1000 MHz frequency range
- Solder-sealed back cover-plate to provide maximum EMI-RFI shielding >-120dB, eliminating signal ingress and guarantee distortion free pictures
- High tap-to-output isolation provides spurious carrier protection and minimizes undesired channel interaction, reducing picture distortion
- High-performance printed board circuitry provides low intermodulation distortion to ensure excellent digital performance
- Capacitor coupling circuitry at all ports provide effective DC voltage blocking for improved hum modulation and intermodulation
- 1/2" long precision machined F-connector threads ensure improved port-to-connector interface and accommodate external security devices
- Available in a range of tap values

### MT1G-x

Tap Value: 6, 9, 12, 16, 20, 24, 27, 30

TAP VALUE	6	9	12	16	20	24	27	30
<b>Insertion Loss (In-Out) Max. dB</b>								
5 MHz	2.4	1.2	1.2	1.0	1.0	1.0	0.8	0.8
54 MHz	2.2	1.2	1.2	1.0	1.0	1.0	0.8	0.8
216 MHz	2.2	1.2	1.2	1.0	1.0	1.0	0.8	0.8
470 MHz	2.4	1.2	1.2	1.0	1.0	1.0	0.8	0.8
860 MHz	2.4	2.0	1.2	1.0	1.0	1.0	0.8	1.0
1 GHz	2.6	2.2	1.4	1.2	1.2	1.2	1.0	1.2
<b>Tap Loss (In-Out) Nominal</b>								
5 MHz	6.4	8.8	12.6	16.2	19.6	24.3	27.8	30.1
54 MHz	6.4	8.8	12.5	16.2	19.8	24.3	27.5	30.0
216 MHz	6.4	8.6	12.4	16.2	19.7	24.1	27.6	29.6
470 MHz	6.4	8.6	12.0	15.8	18.7	23.5	27.9	28.8
860 MHz	6.4	8.8	11.4	15.8	19.8	23.2	27.8	28.4
1 GHz	6.6	9.4	12.6	16.0	20.4	23.3	27.6	29.0
<b>Isolation (Tap-Out) Min. dB</b>								
5 MHz	24	28	28	36	36	40	40	45
54 MHz	30	28	28	38	38	40	45	45
216 MHz	30	30	30	38	38	38	40	40
470 MHz	24	28	28	32	32	34	36	42
860 MHz	20	21	21	30	24	32	34	35
1 GHz	20	20	20	28	24	32	34	35
<b>Input Return Loss Min. dB</b>								
5 MHz	14	18	18	18	18	20	20	20
54 MHz	15	18	20	20	22	24	24	24
216 MHz	18	20	20	22	22	24	26	26
470 MHz	22	26	20	22	18	22	24	24
860 MHz	16	18	22	22	18	21	24	24
1 GHz	16	16	18	18	18	21	22	22
<b>Tap Return Loss Min. dB</b>								
5 MHz	16	18	18	18	18	18	20	20
54 MHz	20	26	24	21	26	18	24	24
216 MHz	24	26	24	22	26	18	26	26
470 MHz	28	30	20	22	25	19	22	22
860 MHz	18	18	18	18	22	21	20	20
1 GHz	18	16	18	18	18	18	18	18
<b>Output Ret. Loss Min. dB</b>								
5 MHz	18	18	18	18	18	18	18	18
54 MHz	26	24	24	24	24	24	24	24
216 MHz	22	24	22	24	22	24	26	26
470 MHz	22	22	19	20	20	20	26	26
860 MHz	24	24	18	22	18	18	20	24
1 GHz	18	18	18	18	18	18	18	18

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